

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide

THE ACM DIGITAL LIBRARY

 Feedback Report a problem Satisfaction survey

Terms used **slow link speed factor**

Found 45,624 of 142,346

Sort results by

Save results to a Binder

Try an Advanced Search

Display results

Search Tips

Try this search in The ACM Guide

Open results in a new window

Results 1 - 20 of 200

Result page: **1** [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale 

- 1** Principle for high speed network control: congestion-and deadlock-freeness, self-routing, and a single buffer per link

Yoram Ofek, Moti Yung

August 1990 **Proceedings of the ninth annual ACM symposium on Principles of distributed computing**

Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



- 2** Symmetric bimanual interaction

Ravin Balakrishnan, Ken Hinckley

April 2000 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available:  pdf(889.60 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



We present experimental work that explores the factors governing symmetric bimanual interaction in a two-handed task that requires the user to track a pair of targets, one target with each hand. A symmetric bimanual task is a two-handed task in which each hand is assigned an identical role. In this context, we explore three main experimental factors. We vary the *distance* between the pair of targets to track: as the targets become further apart, visual diversion increases, forcing the u ...

Keywords: Guiard theory, input, interaction techniques, symmetric interaction, two-handed input

- 3** TCP/IP performance with random loss and bidirectional congestion

T. V. Lakshman, Upamanyu Madhow, Bernhard Suter

October 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 5

Full text available:  pdf(287.04 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)



Keywords: ADSL, TCP, buffer management, cable modems, scheduling

- 4** Supporting the hypercube programming model on mesh architectures: (a fast sorter for iWarp tori)

Thomas M. Stricker

June 1992 **Proceedings of the fourth annual ACM symposium on Parallel algorithms and architectures**



Full text available:  pdf(1.11 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 5 Flow profile comparison of a microscopic car-following model and a macroscopic platoon dispersion model for traffic simulation

Donald T. Gantz, James R. Mekemson

December 1990 **Proceedings of the 22nd conference on Winter simulation**

Full text available:  pdf(424.89 KB) Additional Information: [full citation](#), [references](#), [index terms](#)



- 6 Factoring a mobile client's effective processing speed into the image transcoding decision

Richard Han

August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**

Full text available:  pdf(897.46 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

- 7 Formally reviewed communication: Memory cache and lisp: faster list processing via automatically rearranging memory

Richard Fateman

December 2003 **ACM SIGSAM Bulletin**, Volume 37 Issue 4

Full text available:  pdf(67.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#)



The speed of modern computers can be increased by organizing computations so that memory access patterns correspond more closely to the memory cache-loading patterns implemented in the hardware. Rearranging code and data are each possible. Here we concentrate on automatic rearrangement of data, and examine the belief, common in some technical circles, that modern generational copying garbage collectors (GC) will improve data caching by relocating and compressing data, as a matter of normal proce ...

- 8 Extending hypertext streaming protocol to realize effective web page transmission via a caching proxy

Tadashi Nakano, Kaname Harumoto, Shinji Shimojo, Shojiro Nishio

March 2001 **Proceedings of the 2001 ACM symposium on Applied computing**

Full text available:  pdf(335.37 KB) Additional Information: [full citation](#), [references](#), [index terms](#)



Keywords: HTSP, WWW, inline object, transmission order control caching proxy

- 9 Modeling the performance of HTTP over several transport protocols

John Heidemann, Katia Obraczka, Joe Touch

October 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 5

Full text available:  pdf(388.85 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: HTTP, TCP, computer protocol performance, internetworking

10 On the characteristics and origins of internet flow rates

Yin Zhang, Lee Breslau, Vern Paxson, Scott Shenker

August 2002 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2002 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 32 Issue 4Full text available:  pdf(698.66 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper considers the distribution of the rates at which flows transmit data, and the causes of these rates. First, using packet level traces from several Internet links, and summary flow statistics from an ISP backbone, we examine Internet flow rates and the relationship between the rate and other flow characteristics such as size and duration. We find, as have others, that while the distribution of flow rates is skewed, it is not as highly skewed as the distribution of flow sizes. We also f ...

Keywords: TCP, flow rates, network measurement

11 Register windows vs. register allocation

D. W. Wall

June 1988 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1988 conference on Programming Language design and Implementation**, Volume 23 Issue 7Full text available:  pdf(1.27 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A large register set can be exploited by keeping variables and constants in registers instead of in memory. Hardware register windows and compile-time or link-time global register allocation are ways to do this. A measure of the effectiveness of any of these register management schemes is how thoroughly they remove loads and stores. This measure must also count extra loads and stores executed because of window overflow or conflicts between procedures. By combining profiling, inst ...

12 Best poster papers from MobiHoc 2002: An on-demand minimum energy routing protocol for a wireless ad hoc network

Sheetalkumar Doshi, Shweta Bhandare, Timothy X Brown

June 2002 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 3Full text available:  pdf(203.93 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A minimum energy routing protocol reduces the energy consumption of the nodes in a wireless ad hoc network by routing packets on routes that consume the minimum amount of energy to get the packets to their destination. This paper identifies the necessary features of an *on-demand* minimum energy routing protocol and suggests mechanisms for their implementation. We highlight the importance of efficient caching techniques to store the minimum energy route information and propose the use of an ...

13 Tree multicast strategies in mobile, multihop wireless networks

Mario Gerla, Ching-Chuan Chiang, Lixia Zhang

October 1999 **Mobile Networks and Applications**, Volume 4 Issue 3Full text available:  pdf(285.79 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Tree multicast is a well established concept in wired networks. Two versions, per-source tree multicast (e.g., DVMRP) and shared tree multicast (e.g., Core Based Tree), account for the majority of the wireline implementations. In this paper, we extend the tree multicast concept to wireless, mobile, multihop networks for applications ranging from ad hoc networking to disaster recovery and battlefield. The main challenge in wireless, mobile networks is the rapidly changing environment. We add ...

MagPie: MPI's collective communication operations for clustered wide area systems
 Thilo Kielmann, Rutger F. H. Hofman, Henri E. Bal, Aske Plaat, Raoul A. F. Bhoedjang
 May 1999 **ACM SIGPLAN Notices , Proceedings of the seventh ACM SIGPLAN symposium on Principles and practice of parallel programming**, Volume 34 Issue 8

Full text available:  pdf(1.36 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Writing parallel applications for computational grids is a challenging task. To achieve good performance, algorithms designed for local area networks must be adapted to the differences in link speeds. An important class of algorithms are collective operations, such as broadcast and reduce. We have developed MAGPIE, a library of collective communication operations optimized for wide area systems. MAGPIE's algorithms send the minimal amount of data over the slow ...

15 Reconciling responsiveness with performance in pure object-oriented languages

Urs Hözle, David Ungar
 July 1996 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 18 Issue 4

Full text available:  pdf(537.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Dynamically dispatched calls often limit the performance of object-oriented programs, since object-oriented programming encourages factoring code into small, reusable units, thereby increasing the frequency of these expensive operations. Frequent calls not only slow down execution with the dispatch overhead per se, but more importantly they hinder optimization by limiting the range and effectiveness of standard global optimizations. In particular, dynamically dispatched callees prevent stand ...

Keywords: adaptive optimization, pause clustering, profile-based optimization, run-time compilation, type feedback

16 On characterizing bandwidth requirements of parallel applications

Anand Sivasubramaniam, Aman Singla, Umakishore Ramachandran, H. Venkateswaran
 May 1995 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1995 ACM SIGMETRICS joint international conference on Measurement and modeling of computer systems**, Volume 23 Issue 1

Full text available:  pdf(1.15 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Synthesizing architectural requirements from an application viewpoint can help in making important architectural design decisions towards building large scale parallel machines. In this paper, we quantify the link bandwidth requirement on a binary hypercube topology for a set of five parallel applications. We use an execution-driven simulator called SPASM to collect data points for system sizes that are feasible to be simulated. These data points are then used in a regression analysis for projec ...

17 Papers: Return link optimization for internet service provision using DVB-S networks

Nihal K. G. Samaraweera
 July 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 3

Full text available:  pdf(1.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Satellite based Digital Video Broadcasting (DVB-S) allows the same low cost satellite dish to receive both television programs and Internet traffic. The satellite system is used to construct a high-speed simplex distribution system, while the return path, needed for the Internet service will be provided using a low speed terrestrial network. The bandwidth asymmetry between the return and forward paths results in a problem, which we have termed "ACK congestion". A number of techniques that may al ...

[Virtual path bandwidth allocation in multiuser networks](#)

Aurel A. Lazar, Ariel Orda, Dimitrios E. Pendarakis

December 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 6Full text available:  pdf(324.16 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Nash equilibrium, bandwidth allocation, distributed algorithms, game theory, network control, virtual path

**19 Algorithms: Bitmap algorithms for counting active flows on high speed links**

Cristian Estan, George Varghese, Mike Fisk

October 2003 **Proceedings of the 2003 ACM SIGCOMM conference on Internet measurement**Full text available:  pdf(330.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a family of bitmap algorithms that address the problem of counting the number of distinct header patterns (flows) seen on a high speed link. Such counting can be used to detect Dos attacks and port scans, and to solve measurement problems. Counting is especially hard when processing must be done within a packet arrival time (8 nsec at OC-768 speeds) and, hence, must require only a small number of accesses to limited, fast memory. A naive solution that maintains a hash table r ...

Keywords: counting flows, network traffic measurement

**20 Multimedia Web services for mobile clients using quality aware transcoding**

Surendar Chandra, Carla Schlatter Ellis, Amin Vahdat

August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**Full text available:  pdf(1.18 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

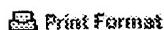
- By Author
- Basic
- Advanced

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise File Cabinet

- Access the IEEE Enterprise File Cabinet



Your search matched **23 of 1069805** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

Check to search within this result set

Results Key:

JNL = Journal or Magazine CNF = Conference STD = Standard

1 On a simulator of a buoyant antenna - satellite wireless channel

Primak, S.; Weaver, J.; Kontorovich, V.;
Vehicular Technology Conference, 2003. VTC 2003-Fall. 2003 IEEE 58th , Volume: 1 , 6-9 Oct. 2003
Pages:138 - 142 Vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(360 KB\)\]](#) IEEE CNF

2 Field experiments on closed loop mode transmit diversity in W-CDMA forward link

Fukumoto, S.; Higuchi, K.; Sawahashi, M.; Adachi, F.;
Spread Spectrum Techniques and Applications, 2000 IEEE Sixth International Symposium on , Volume: 2 , 6-8 Sept. 2000
Pages:433 - 438 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(568 KB\)\]](#) IEEE CNF

3 Broadband packet wireless access incorporating high-speed IP packet transmission

Abeta, S.; Atarashi, H.; Sawahashi, M.;
Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th , Volume: 2 , 24-28 Sept. 2002
Pages:844 - 848 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) IEEE CNF

4 Successive interference cancellation for multiuser asynchronous DS/CDMA detectors in multipath fading links

Hui, A.L.C.; Letaief, K.B.;
Communications, IEEE Transactions on , Volume: 46 , Issue: 3 , March 1998
Pages:384 - 391

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) IEEE JNL

5 A multiuser interference cancellation technique utilizing convolutional codes and orthogonal multicarrier modulation for wireless indoor communications

Sanada, Y.; Nakagawa, M.;

Selected Areas in Communications, IEEE Journal on , Volume: 14 , Issue: 8 , Oct. 1996

Pages:1500 - 1509

[\[Abstract\]](#) [\[PDF Full-Text \(836 KB\)\]](#) [IEEE JNL](#)

6 Oxygenation of silver clad $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$

Neal, M.J.; Pathare, V.M.;

Magnetics, IEEE Transactions on , Volume: 27 , Issue: 2 , Mar 1991

Pages:1652 - 1655

[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) [IEEE JNL](#)

7 Matched filter bounds without channel knowledge at the receiver

Medles, A.; Slack, D.T.M.;

Signals, Systems & Computers, 2003 The Thirly-Seventh Asilomar Conference on , Volume: 2 , 9-12 Nov. 2003

Pages:1676 - 1680 Vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(434 KB\)\]](#) [IEEE CNF](#)

8 Performance comparison of cdma2000 forward power control modes

Yeh, J.; Khan, A.; Aydin, L.; Hamdy, W.;

Personal, Indoor and Mobile Radio Communications, 2003. PIMRC 2003. 14th IEEE Proceedings on , Volume: 2 , 7-10 Sept. 2003

Pages:1742 - 1746 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(346 KB\)\]](#) [IEEE CNF](#)

9 Comparison of dynamic channel allocation schemes in downlink in UTRA TDD

Kurjeniemi, J.; Lehtinen, O.;

Personal, Indoor and Mobile Radio Communications, 2003. PIMRC 2003. 14th IEEE Proceedings on , Volume: 1 , 7-10 Sept. 2003

Pages:901 - 905 Vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(596 KB\)\]](#) [IEEE CNF](#)

10 Datagram-transfer protocol for UHF SATCOM

Huckell, G.R.; Chandler, E.W.;

MILCOM 2000. 21st Century Military Communications Conference

Proceedings , Volume: 2 , 22-25 Oct. 2000

Pages:640 - 644 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) [IEEE CNF](#)

11 CDMA forward link capacity and coverage in a multipath fading channel

Jalloul, L.; Rohani, K.;

Vehicular Technology Conference, 1997 IEEE 47th , Volume: 3 , 4-7 May 1997

Pages:1440 - 1444 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) [IEEE CNF](#)

12 Opportunistic transmission scheduling for multiuser MIMO systems

Liang Dong; Teng Li; Yih-Fang Huang;

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 5 , 6-10 April 2003

Pages:V - 65-8 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(342 KB\)\]](#) [IEEE CNF](#)

13 TCP over wireless links with variable bandwidth

Yavuz, M.; Khafizov, F.;

Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th , Volume: 3 , 24-28 Sept. 2002

Pages:1322 - 1327 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(489 KB\)\]](#) [IEEE CNF](#)

14 Analysis of slow-frequency-hop satellite communications using ambiguity functions

Pursley, J.A.; Macdonald, T.G.;

MILCOM 2002. Proceedings , Volume: 1 , 7-10 Oct. 2002

Pages:160 - 164 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(587 KB\)\]](#) [IEEE CNF](#)

15 In-service optical performance monitoring of high-speed transparent networks based on Q measurements

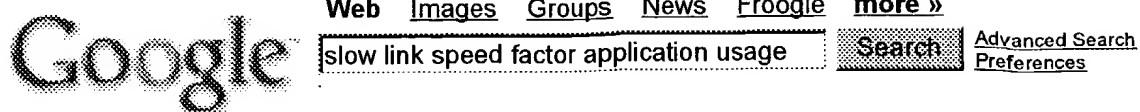
Bach, R.; Moench, W.; Strohmaier, G.;

Transparent Optical Networks, 2001. Proceedings of 2001 3rd International Conference on , 18-21 June 2001

Pages:210 - 217

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) [IEEE CNF](#)

[1](#) [2](#) [Next](#)

**Web**Results 1 - 10 of about 93,200 for **slow link speed factor application usage**. (0.45 seconds)**Analysis Services optimization tips**

... warehouse and Analysis Services will be connected via **slow link**. ... the cube and increase the **speed** of queries ... warehouse database with a 'fill **factor**' option of ...

www.mssqlcity.com/Tips/olap_optimization.htm - 22k - Cached - Similar pages

Analysis Services optimization tips

... and Analysis Services will be connected via a **slow link**. ... process the cube and increase the **speed** of queries ... warehouse database with a 'fill **factor**' option of ...

www.databasejournal.com/features/mssql/article.php/1598311 - 41k - Cached - Similar pages

Windows NT: Application Profiling - A Microsoft Network ...

... WAN link on the other side is too **slow** and just ... a more powerful router or upgrading the link, and so ... The faster the circuit **speed**, the quicker the packet gets ...

www.microsoft.com/technet/prodtechnol/winntas/plan/nlopt9.mspx - 35k - Cached - Similar pages

Microsoft Exchange Server 5.5: Calculating Users per Server

... time limits they do not affect users' perception of system **speed**. ... once the user is connected across the **slow link** that connection ... Non-Exchange-Related **Factors**. ...

www.microsoft.com/technet/prodtechnol/exchange/55/deploy/usercap.mspx - 101k - Cached - Similar pages

[More results from www.microsoft.com]

[PDF] WHITE PAPER

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... **application** consumes more resources servicing users with **slow link speeds** than fast **link speeds**. ... but it is expanding to new form **factors**, including blades ...

www.spirentcom.com/documents/1408.pdf - Similar pages

Quality of Service, diff serv, ip precedence

... cRTP ought only to be used with **slow** links ie ... is important if you have mismatched **link speeds** at each ... If the trunk **link** uses Channel Associated Signalling (CAS ...

www.rhyshaden.com/qos.htm - 64k - Cached - Similar pages

broadband » DSL Speed

... at nearly the maximum **speed** of the **link**, unfortunately, those **slow** starting few ... to each other, that may subtly or markedly reduce reported **speed** ...

www.dsireports.com/speed - Similar pages

Telecom Asia - Clocking cellular: How slow can you go?

... way, there is such a thing as too **slow** for any ... is we run a VPN to their server and **link** it to ... we've tested have a somewhat faster processor **speed** than some ...

www.telecomasia.net/telecomasia/article/articleDetail.jsp?id=75084 - 84k - Cached - Similar pages

Broadband Speed Test

... **speed** of the **link**, unfortunately, those **slow** starting few ... Download | Links | Contact us Exchange **link** with us? ... **speed** **speed** up dsl connection **speed** up internet ...

www.pmasoft.net/englisch/tor/Broadband%20Speedtest.html - 69k - Cached - Similar pages

EDN - The slow road to 10-Gbps Ethernet - 3/18/2004 - EDN ...

The **slow** road to 10-Gbps Ethernet. ... which would drive you to place the **high-speed** signals on ... CX4 as the PMD standard for Xenpak modules when the **link** is limited ...

www.reed-electronics.com/ednmag/article/CA402130?industryid=19301 - [Similar pages](#)

Gooooooooooooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

Free! Get the Google Toolbar. [Download Now](#) - [About Toolbar](#)



[slow link speed factor application](#) [Search](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2004 Google